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TI Manufacture of softened cellulose fiber-based products
and softening compositions
IN Evans, Robert D.; Morrison, Suzanne; Campbell, Clayton
PA Quaker Chemical Corp., USA
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LA English
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ICS D21H017-10; D06M013-292; D06M013-44; D06M013-165; D06M015-53
CC 43-7 (Cellulose, Lignin, Paper, and Other Wood Products)
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	AU 9722744	A1	19970910	AU 1997-22744	19970218
	EP 882157	A1	19981209	EP 1997-906919	19970218
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PRAI	US 1996-604818	A	19960223		
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CLASS

	PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
	WO 9731153	ICM	D21H021-24
		ICS	D21H017-10; D06M013-292; D06M013-44; D06M013-165; D06M015-53

OS MARPAT 127:222134
AB A process and compn. for softening cellulose fibers
for the manuf. of softened cellulose fiber-based
products such as paper towels, facial tissue, sanitary tissues, toilet
tissues, nonwoven fabrics and fluff pulp, and the products made by said
process are disclosed. The process maintains a high level of wet strength
in the finished paper product contg. suitable wet strength additives, as
measured by the wet tensile strength of the dry web. The process includes
treating cellulose fiber with chem. softening compn.
comprising phospholipids, a nonionic surfactant and, optionally,
a lubricant. The phospholipids include phosphatidylcholine (lecithin),
hydroxylated phosphatidylcholine, phosphatidylethanolamine, hydroxylated
phosphatidylethanolamine, phosphatidylserine, hydroxylated
phosphatidylserine, phosphatidylinositol and hydroxylated
phosphatidylinositol.
ST tissue paper softener phospholipid surfactant compn; towel paper
softener phospholipid surfactant; facial tissue softener
phospholipid surfactant; nonwoven softener phospholipid
surfactant compn; sanitary tissue softener phospholipid